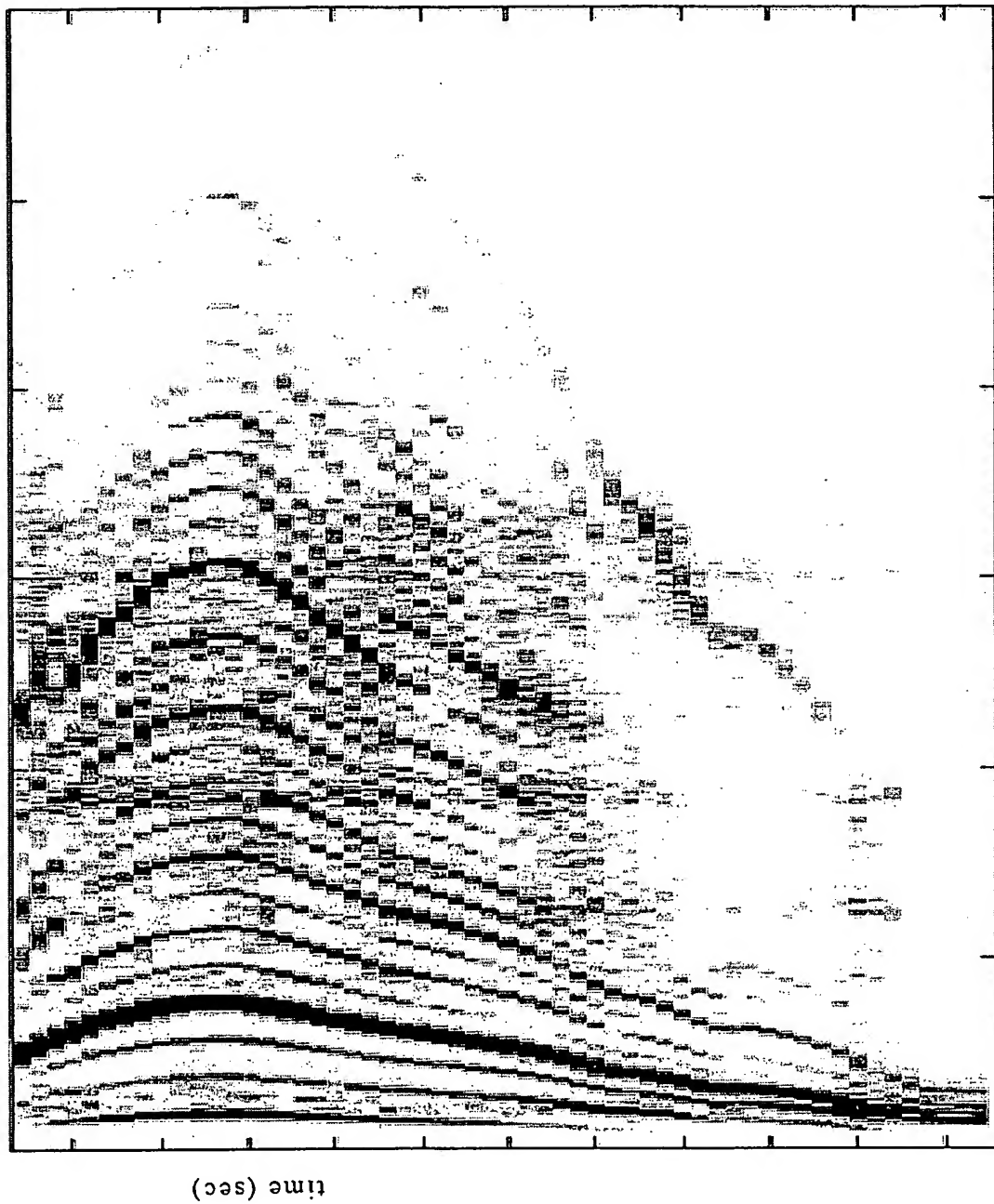


remarks: \*representing hardware apparatus

FIG. 1



frequency (Hz)

FIG. 2

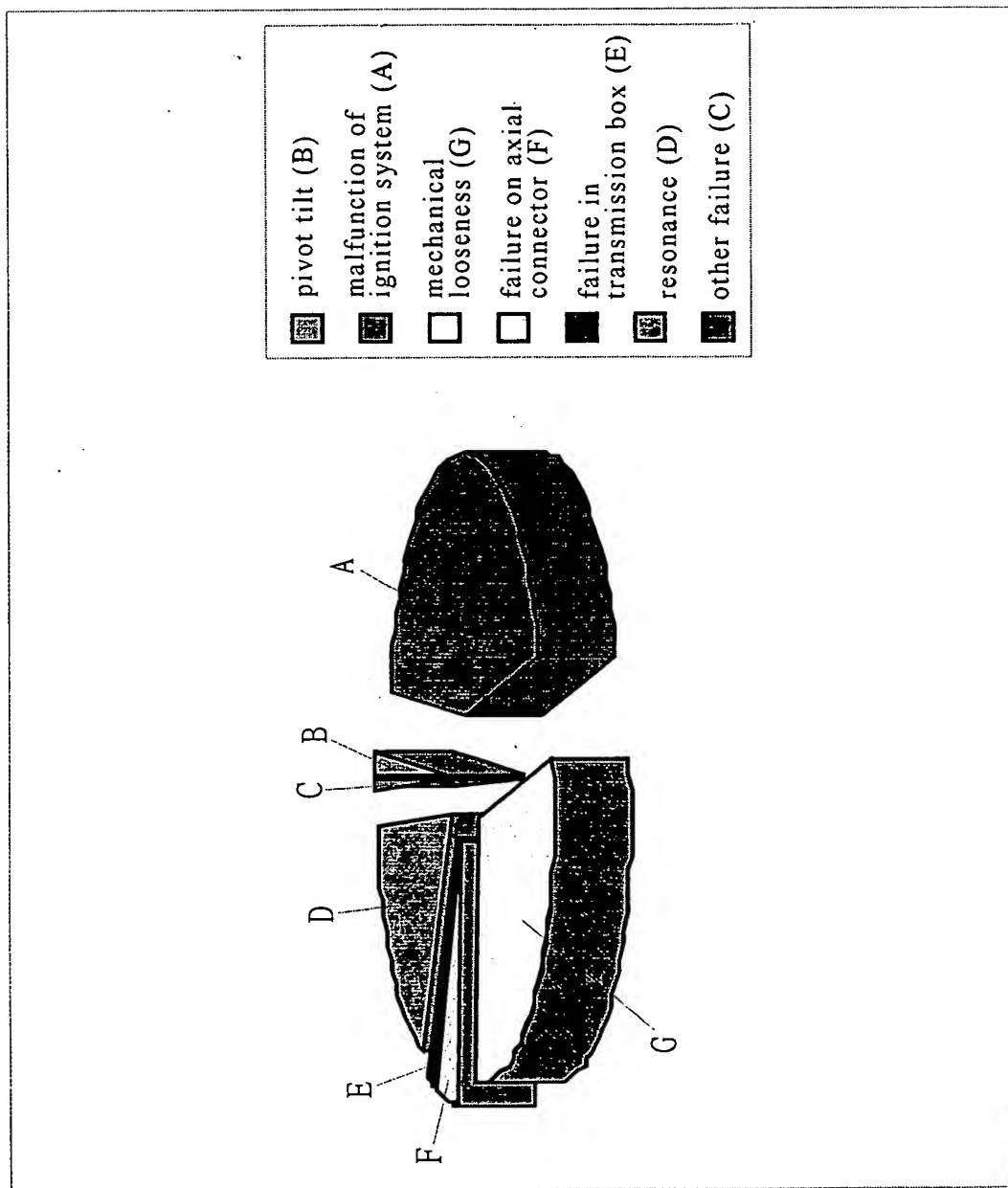
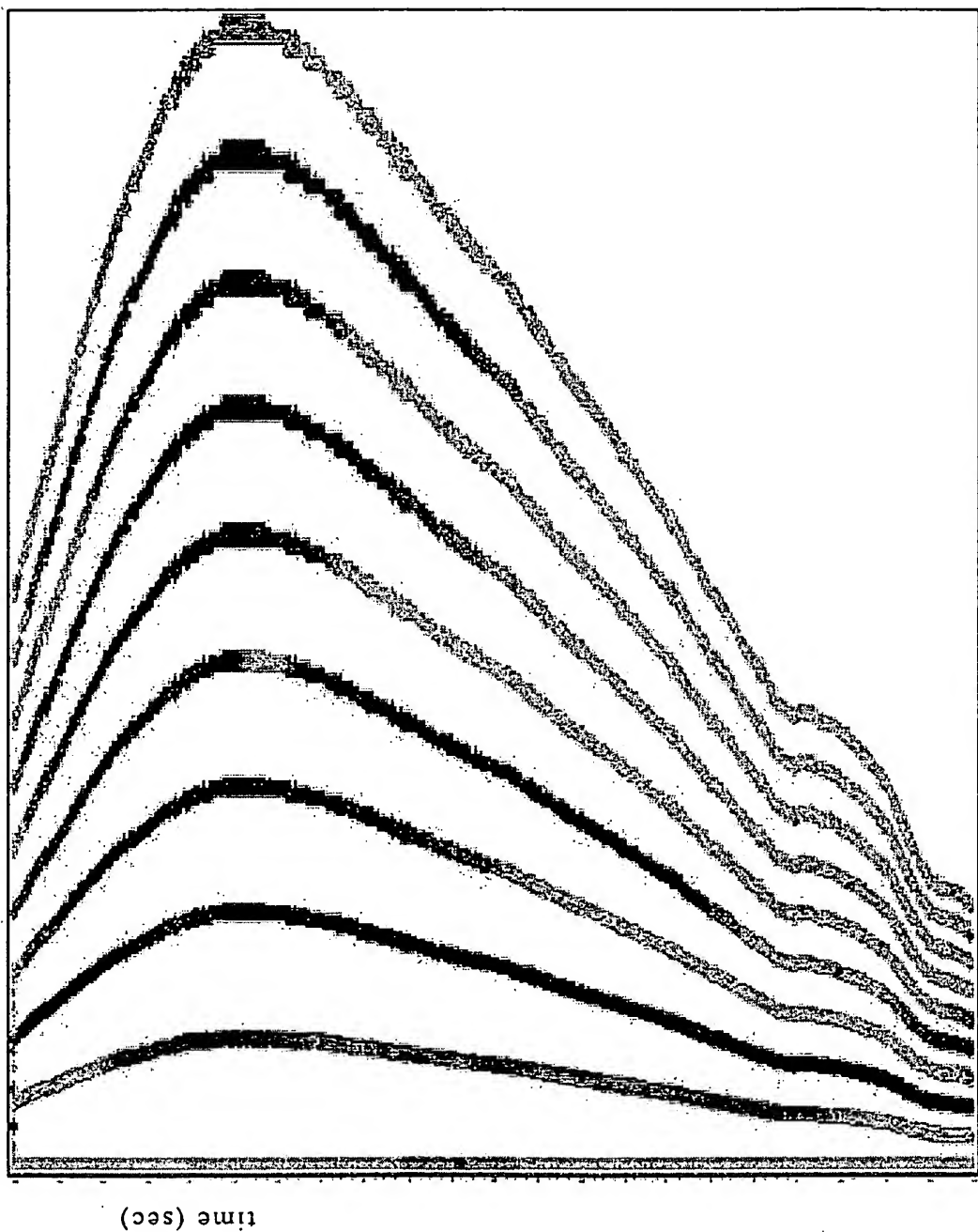
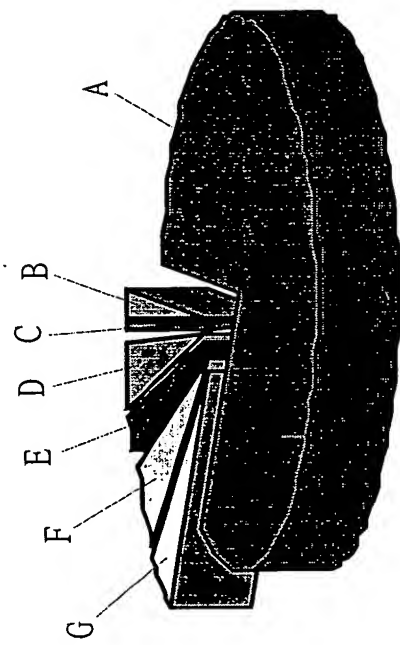


FIG. 3



frequency (Hz)

FIG. 4



- pivot tilt (B)
- malfunction of ignition system (A)
- mechanical looseness (G)
- failure on axial connector (F)
- failure in transmission box (E)
- resonance (D)
- other failure (C)

FIG. 5

Main
RPM Setting
Hardware Setting

Algorithm

☒ Kalman Filtering
☐ RLS

☐ Kalman Filtering
☒ RLS

START
SAVE
RESULT

Orders
20

Bandwidth
0.50 (order)

Q1
0.00000100

Q2
1000000

F. Factor
0.9950

e
0.00000100

Order Analyzer
v1.0

FIG. 6

Main

RPM Setting

Hardware Setting

Curve Fit

23

1-4

1. Without Curve Fit  
2. Spline Curve Fit  
3. Polynomial Curve Fit  
4. Linear Curve Fit

Tachometer Setting

Threshold Limit Value

1.50 Volt

Number of Reflections

4

Tacho Signal Smoothing

FIG. 7

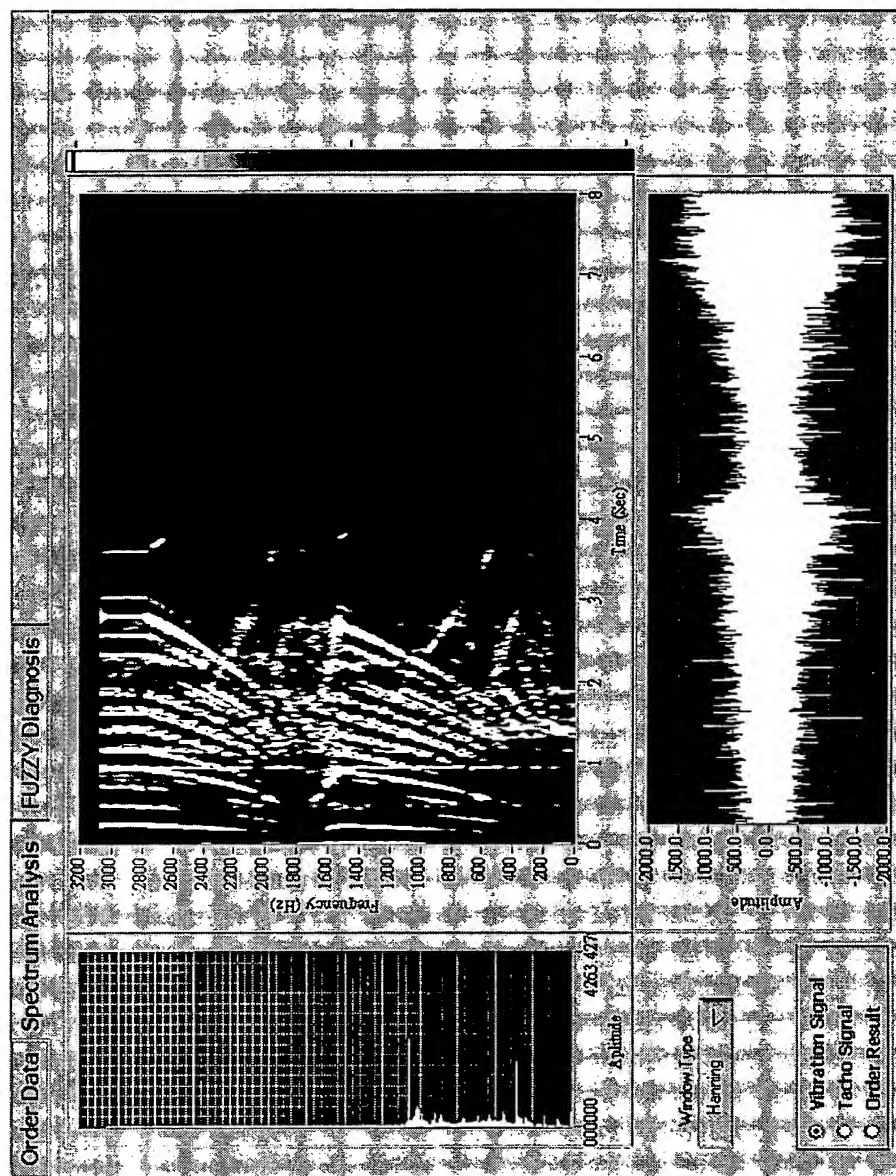


FIG. 8



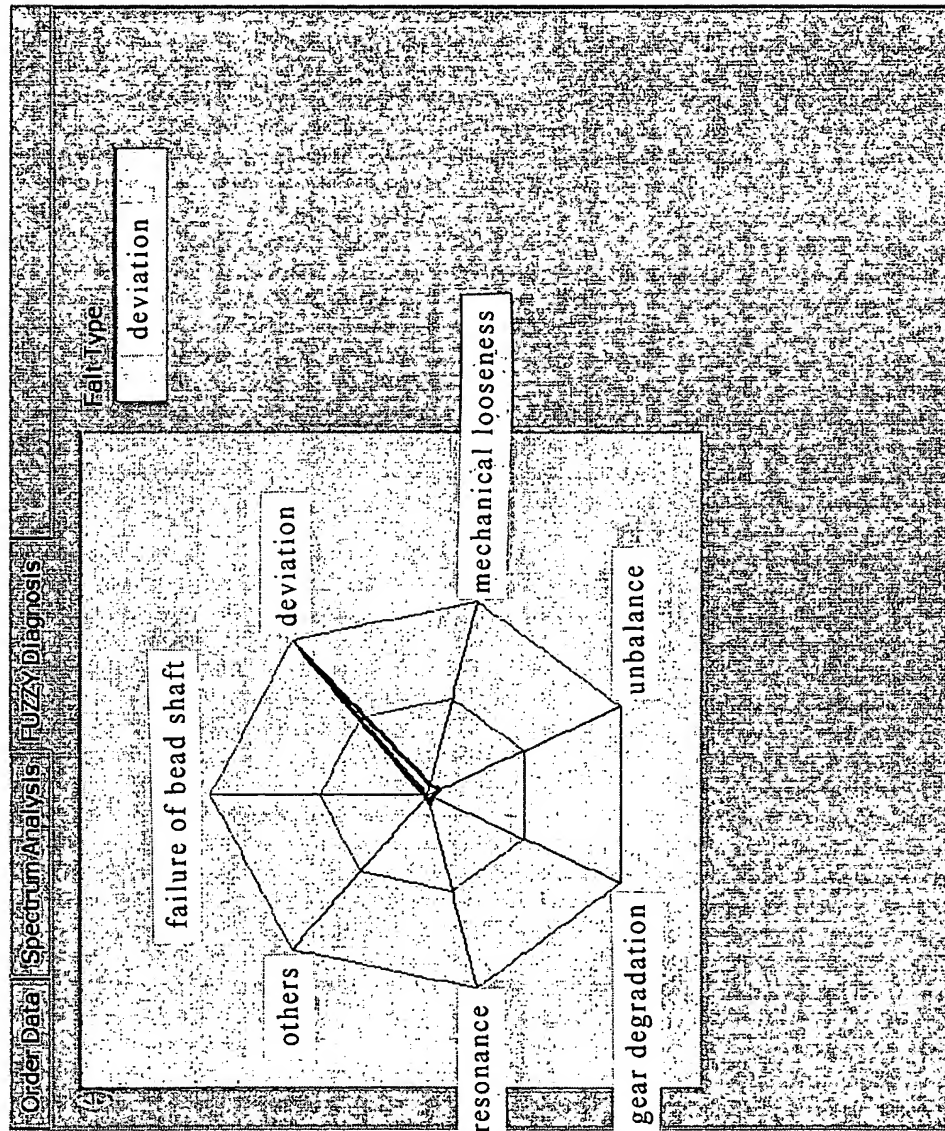


FIG. 9